



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

NAKAGAWA

Group Art Unit: 2841

Appln. No.: 09/654,412

Examiner: T. Phan

Filed: September 1, 2000

Title: COMPONENT MOUNTING CIRCUIT BOARD WITH RESIN-MOLDED SECTION
COVERING CIRCUIT PATTERN AND INNER COMPONENTS

April 19, 2002

* * * * *

REQUEST FOR RECONSIDERATION

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Responsive to the December 19, 2001 Official Action, reconsideration and allowance of the present application based on the following remarks are respectfully requested.

The shortened statutory period for responding to this action expired on March 19, 2002. Submitted with the present response is a Petition for the Extension of Time of one (1) month and fee, thereby increasing the time for responding to the outstanding Office action to April 19, 2002. See 37 C.F.R. § 1.7.

Claims 1-13 (Claims 5 and 6 have been withdrawn from further consideration) remain pending in the present application. Claims 1, 11, and 13 are independent claims.

In the Office Action dated December 19, 2001 the Examiner rejected Claim 1 under 35 U.S.C. § 103(a) as being unpatentable over Fukui et al. in view of Gold et al. The Examiner also included the rationale for rejecting Claims 2-4 and 7-10 under this same ground of rejection. The Examiner also rejected Claims 11-13 under 35 U.S.C. § 103(a) as being unpatentable over Fukui et al. in view of Gold et al., further in view of Takeuji et al.

These rejections are respectively traversed.

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Applicants appreciate the courtesies extended to Applicants' representative during an interview held on April 17, 2002. At the interview, Claims 1-4, and 7-13 were discussed. Applicants' representative pointed out that the limitations, as recited in each of the independent claims, of a circuit pattern, an inner electrical component electrically connected to the circuit pattern and a molded resin section molded so as to cover the circuit pattern and the inner electrical component, and the molded resin section having at least an opening allowing an outer electrical component to be connected to the circuit pattern. Applicants' representative also argued that there was no teaching in any of the applied primary reference to Fukui et al. Applicant's representative also pointed out that the secondary reference to Gold et al. was directed to an internal heat sink in an IC package. The IC package of Gold et al. failed to provide the necessary teaching to be combined with the primary reference of Fukui et al. because there was no guidance or motivation found in Gold to modify the teachings of Fukui et al. to arrive at Applicant's claimed structure and method. The Supervisory Primary Examiner agreed that the combination may not be proper, and will reconsider the combination of these references upon the filing of a response to the Office action.

As set forth during the interview, Claims 1-4 and 7-10 are patentably distinct over the applied references to Fukui et al. and Gold et al. In addition, with respect to Claims 11-12, and as discussed during the interview, the Examiner's allegation that the Takeuji et al. reference provides a teaching of a circuit structure as recited in the claims in a microwave oven is without merit. Likewise, the method of Claim 13 is not obvious in light of the references.

In view of the foregoing, the claims are now believed to be in form for allowance, and such action is hereby solicited. If any point remains in issue which the Examiner feels may

be best resolved through a personal or telephone interview, he is kindly requested to contact the undersigned at the telephone number listed below.

All objections and rejections having been addressed, it is respectfully submitted that the present application is in a condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

PILLSBURY WINTHROP LLP

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Appln. No.: 09

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Series Code ↑

Serial No. ↑

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Hon. Commissioner of Patents
Washington, D.C. 20231

Group Art Unit

Examiner:

T. PHAN

Atty. Dkt.

P 273795

F2000715

M#

Client Ref

Appln. Title:

COMPONENT MOUNTING CIRCUIT
BOARD WITH RESIN-MOLDED
SECTION COVERING CIRCUIT
PATTERN AND INNER COMPONENTS

Sir:

REQUEST FOR RECONSIDERATION

Date: April 19, 2002

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim A. <input checked="" type="checkbox"/> NOT made B. <input type="checkbox"/> Withdrawn C. <input type="checkbox"/> made herewith D. <input type="checkbox"/> made previously For B & C See Required Separate Paper (Pat-256)		Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims		13	**minus 20	0	x \$18/\$9 =	+ \$0	103/203
3. Independent Claims		3	***minus 3	0	x \$84/\$42 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)					add	+ \$280/\$140 =	+ \$0 104/204
5. Original due Date: March 19, 2002		<input type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo)	\$110/\$55 =				115/215
		(2 mos)	\$400/\$200 =	+ \$110			116/216
		(3 mos)	\$920/\$460 =				117/217
		(Usable only for ≤ 2mo.OA --- 4 mos)	\$1,440/\$720 =				118/218
		(Usable only for 30 day/1mo.OA --- 5 mos)	\$1,960/\$980 =				128/228
7. Enter any previous extension fee paid since above original due date and subtract					- \$0		
8. Extension Fee Attached					+ \$110		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee					+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c),					+ \$180	+ \$0	126
or if Rule 97(d) Request					+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r)					+ \$740/370	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b)					x \$740/370 ea	+ \$0	149/249
13. Request for Continued Examination (RCE)					+ \$740/370	+ \$0	1179/1279
14. Petition fee for					+ \$0		
15. TOTAL FEE ENCLOSED =					\$110		

16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 7324 273795

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CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP

Intellectual Property Group

By Atty: Warren S. Edmonds

Sig:

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments